

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: KAZUHIRO OKADA, et al

For: APPARATUS FOR DETECTING A PHYSICAL QUANTITY ACTING AS AN EXTERNAL FORCE AND METHOD FOR TESTING AND MANUFACTURING THIS APPARATUS

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

We draw the attention of the Examiner to the references listed on the attached Form PTO-1449.

We also draw the attention of the Examiner to the following Okada co-pending applications: 09/885,620 filed on June 20, 2001; 10/022,580 filed December 17, 2001; 10/247,771 filed on September 19, 2002; 10/247,772 filed on September 19, 2002; 10/298,275 filed on November 15, 2002; 10/313,125 filed on December 5, 2002; 10/419,610 filed on April 21, 2003; 10/619,965 filed July 15, 2003; 10/777,530 filed February 12, 2004;

CERTIFICATION UNDER 37 C.F.R. 1.8(a) and 1.10*

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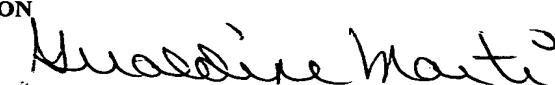
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Date: April 1, 2004


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"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

10/799,381 filed March 12, 2004 and 10/805,649 filed March 19, 2004.

The application was filed after June 30, 2003. Copies of the U.S. Patents and U.S. Applications are not being furnished according to the notification by Stephen G. Kunin, Deputy Commissioner for Patents Examination Policy, on July 11, 2003.

Respectfully submitted,



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FORM PTO-1449		U. S DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.	SERIAL NO.
				U 015107-1	
				APPLICANT	
				Kazuhiro OKADA	
				FILING DATE	GROUP

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA	4,905,523	3/1990	Okada	73	862.04	
	AB	4,967,605	11/1990	Okada	73	862.04	
	AC	4,969,366	11/1990	Okada	73	862.08	
	AD	5,014,415	5/1991	Okada	29	621.1	
	AE	5,035,148	7/1991	Okada	73	862.04	
	AF	5,092,645	3/1992	Okada	294	86.4	
	AG	5,182,515	1/1993	Okada	324	259	
	AH	5,263,375	11/1993	Okada	73	862.042	
	AI	5,295,386	3/1994	Okada	73	1 D	
	AJ	5,343,765	9/1994	Okada	73	862.043	
	AK	5,365,799	11/1994	Okada	73	862.041	
	AL	5,392,658	2/1995	Okada	73	862.043	
	AM	5,406,848	4/1995	Okada	73	517 R	
	AN	5,421,213	6/1995	Okada	73	862.043	
	AO	5,437,196	8/1995	Okada	73	862.043	
	AP	5,492,020	2/1996	Okada	73	862.626	
	AQ	5,497,668	3/1996	Okada	73	862.626	
	AR	5,531,002	7/1996	Okada	29	25.41	
	AS	5,531,092	7/1996	Okada	73	1 D	
	AT	5,571,972	11/1996	Okada	73	862.043	
	AU	5,639,973	6/1997	Okada	73	862.043	
	AV	5,646,346	7/1997	Okada	73	504.04	
	AW	5,668,318	9/1997	Okada	73	504.11	
	AX	5,682,000	10/1997	Okada	73	862.043	
	AY	5,744,718	4/1998	Okada	73	514.33	
	AZ	5,780,749	7/1998	Okada	73	862.043	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA	5,811,693	9/1998	Okada	73	862.043	
	AB	5,831,163	11/1998	Okada	73	504.12	
	AC	5,850,040	12/1998	Okada	73	504.04	
	AD	5,856,620	1/1999	Okada	73	514.32	
	AE	5,962,787	10/1999	Okada et al.	73	514.32	
	AF	5,987,985	11/1999	Okada	73	504.04	
	AG	6,003,371	12/1999	Okada	73	504.02	
	AH	6,053,057	4/2000	Okada	73	862.043	
	AI	6,076,401	6/2000	Okada	73	504.12	
	AJ	6,098,461	8/2000	Okada	73	514.34	
	AK	6,158,291	12/2000	Okada	73	862.043	
	AL	6,159,761	12/2000	Okada	438	53	
	AM	6,185,814	2/2001	Okada	29	621.1	
	AN	6,205,856	3/2001	Okada	73	504.11	
	AO	6,269,697	8/2001	Okada	73	504.02	
	AP	6,282,956	9/2001	Okada	73	504.12	
	AQ	6,314,823	11/2001	Okada	73	862.043	
	AR	6,367,326	4/2002	Okada	73	504.12	
	AS	6,378,381	4/2002	Okada et al.	73	862.043	
	AT	6,474,133	11/2002	Okada	73	1.38	
	AU	6,477,903	11/2002	Okada	73	862.043	
	AV	6,512,364	1/2003	Okada	324	158.1	
	AW	6,530,283	3/2003	Okada et al.	73	780	
	AX						
	AY						
	AZ						

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REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	FILING DATE IF APPROPRIATE
	AA	4,941,354	7/1990	Russell et al	
	AB	5,060,504	10/1991	White et al	
	AC	5,051,643	9/1991	Dworsky et al	
	AD	4,789,803	12/1988	Jacobsen et al	
	AE	5,124,879	6/1992	Goto	
	AF	3,190,129	6/1965	Kritz et al	
	AG	5,103,667	4/1992	Allen et al	
	AH	4,882,933	11/1989	Petersen et al	
	AI	4,851,080	7/1989	Howe et al	
	AJ	3,120,622	2/1964	Dranetz et al	
	AK	4,891,985	1/1990	Glenn	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
	AL	63169078	7/1988	JP	
	AM	6166939	4/1986	JP	
	AN	63266325	11/1988	JP	
	AO	6385461	4/1988	JP	
	AP	63266359	11/1988	JP	

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	Allen, H.V., et al. "Accelerometer Systems with Self-testable Features." <i>Sensors and Actuators</i> , No. 20 (1989) pp 153-161
	AS	
	AT	

EXAMINER	DATE CONSIDERED
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	U. S DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
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	FILING DATE	GROUP	

U.S. PATENT DOCUMENTS					
EXAMINER INITIALS	REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME	FILING DATE IF APPROPRIATE
	AA	4,836,034	6/1989	Izumi et al	
	AB	5,163,325	11/1992	White et al	
	AC	5,757,481	5/1998	O'Brien et al	
	AD	5,447,051	9/1995	Hanks et al	
	AE				
	AF				
	AG				
	AH				

FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
					YES NO
	AL	59208468	11/1959	JP	
	AM	57146166	9/1982	JP	
	AN	1263576	10/1989	JP	
	AO	6410665	1/1989	JP	
	AP	0368446	5/1990	EP	
	AQ	3742385	6/1989	DE	
	AR	8710556	1/1988	FR	
	AS	0133997	3/1985	EP	

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)		
	AT	
	AU	
	AV	

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